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1 A spreadsheet approach to programming and managing sensor netv
Alec Woo, Siddharth Seth, Tim Olson, Jie Liu, Feng Zhao
April 2006   **IPSN '06:** Proceedings of the 5th international conference on
              networks
Publisher: ACM
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Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 54,   Downloa

We present a spreadsheet approach to simplifying the process of manac
sensor networks and visualizing, archiving and retrieving sensor data. A
built to demonstrate the idea. ...

Keywords: SQL server, data streams, excel, networked sensors

2 A framework for collaborative control of applications
James R. Miller, Serhan Yengulalp, Patrick L. Sterner
March 2005   **SAC '05:** Proceedings of the 2005 ACM symposium on Appliec
Publisher: ACM 💎 Request Permissions
Full text available: 📄 Pdf (439.48 KB)   Additional Information: full citation, abstra

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Highly interactive applications are increasingly being used in decision su
applications are increasingly being used in decision support systems. Fr
collaborative environments in which ...

Keywords: collaborative techniques, remote application control

3 Efficient XML usage within wireless sensor networks
Nils Hoeller, Christoph Reinke, Jana Neumann, Sven Groppe, Daniel Boecki
November 2008 **WICON '08:** Proceedings of the 4th Annual International C
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecom
Full text available: 📄 Pdf (1.23 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 27,   Downlo

Integrating wireless sensor networks in heterogeneous networks is a co
standardized data exchange format that is supported in all participating

de facto standard data exchange ...

Keywords: XML, database management, programming language, wirel

4 Code generation techniques for developing light-weight XML Web se
   Robert van Engelen
   March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Appliec
   Publisher: ACM Request Permissions
   Full text available: Pdf (404.19 KB)   Additional Information: full citation, abstra

   Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 91, Downlo

   This paper presents specialized code generation techniques and runtime
   weight XML Web services for embedded devices. The optimizations are i
   development environment for C and C++. ...

   Keywords: Web Services, XML, embedded systems, networking

5 The efficiency of XML as an intermediate data representation for wir
   Wayne Hansio, Kenneth MacGregor
   October 2004 SAICSIT '04: Proceedings of the 2004 annual research confe
                  computer scientists and information technologists on IT resea
   Publisher: South African Institute for Computer Scientists and Information Techno
   Full text available: Pdf (69.96 KB)   Additional Information: full citation, abstra

   Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 33, Downloa

   Along with the advances in networking technologies, access to data serv
   popularity but many issues have to be considered when writing applicat
   limited resources and wireless networks ...

   Keywords: SOAP, XML, design, measurement, middleware, mobile com

6 UML-based multiprocessor SoC design framework
   Tero Kangas, Petri Kukkala, Heikki Orsila, Erno Salminen, Marko Hännikäin
   Riihimäki, Kimmo Kuusilinna
   May 2006   Transactions on Embedded Computing Systems (TECS)
   Publisher: ACM Request Permissions
   Full text available: Pdf (3.37 MB)   Additional Information: full citation, abstra

   Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 215, Downl

   This paper describes a complete design flow for multiprocessor systems
   phases from system-level modeling to FPGA prototyping. The design of
   enabled by raising the abstraction level ...

   Keywords: UML 2.0, architecture exploration, design flow

7 UML 2.0 Profile for Embedded System Design
   Petri Kukkala, Jouni Riihimaki, Marko Hannikainen, Timo D. Hamalainen, Kl

March 2005   **DATE '05: Proceedings of the conference on Design, Aut
             Volume 2** , Volume 2
Publisher: IEEE Computer Society
Full text available: Pdf (150.38 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 75, Downloa

Unified Modeling Language (UML) 2.0 is emerging in the area of embed(
a new UML 2.0 profile - called TUT-Profile - that introduces a set of ster
application, platform, and mapping. The ...

8 Using XForms to simplify Web programming
Richard Cardone, Danny Soroker, Alpana Tiwari
May 2005   **WWW '05:** Proceedings of the 14th international conference (
Publisher: ACM
Full text available: Pdf (1.03 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 148, Downl

The difficulty of developing and deploying commercial web applications
they use increases and as the interactions between these technologies t
describes a way to avoid this increasing ...

Keywords: J2EE, MVC, Web application, XForms, XMLBeans, eclipse, v

9 iMobile EE: an enterprise mobile service platform
Yih-Farn Chen, Huale Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam
Muthumanickam, Bin Wei
July 2003   **Wireless Networks** , Volume 9 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: Pdf (2.90 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 137, Downl

iMobile[1] is an enterprise mobile service platform that allows resource-lin
with each other and to securely access corporate contents and services.
consists of devlets that ...

Keywords: content transcoding, middleware, mobile devices, mobile ei

10 Benchmark of middleware protocols for application and service inter:
Pekka Pääkkönen, Daniel Pakkala
December 2008 **MUM '08:** Proceedings of the 7th International Conference
Publisher: ACM Request Permissions
Full text available: Pdf (616.94 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 41, Downlo

A variety of protocols exist, which may be considered as messaging mid
service interactions in distributed and technologically heterogeneous en
include text-based Simple Object ...

Keywords: GCM, Middleware, SIP, SOAP, message-oriented, performan

11 Intelligent pervasive middleware for context-based and localized tele
Chatschik Bisdikian, Isaac Boamah, Paul Castro, Archan Misra, Jim Rubas,
Rasin, Henry Huang, Craig Simonds
September 2002 **WMC '02:** Proceedings of the 2nd international workshop
Publisher: ACM

Full text available: Pdf (565.14 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 73, Downloa

Telematics is arguably the next-wave in mobile computing: with most c
embedded computing platforms, we shall witness the development of a
applications with significant commercial potential. ...

Keywords: pervasive computing, telematics

12 Assessment of mobile experience engine, the development toolkit fo
Amitava Biswas, Tom Donaldson, Jagmit Singh, Sara Diamond, David Gaul
June 2006   **ACE '06:** Proceedings of the 2006 ACM SIGCHI international c
                entertainment technology
Publisher: ACM

Full text available: Pdf (225.04 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 76, Downlo

Non-technical designers are using pervasive, context aware and mobile
deliver unique user experiences and new values. Designer, artists and t
and develop these new media applications. ...

Keywords: context-aware, design collaboration, games, new media, ra
engineering

13 Playing the trade-off game: Architecture exploration using Coffeee
Praveen Raghavan, Murali Jayapala, Andy Lambrechts, Javed Absar, Francl
May 2009   **Transactions on Design Automation of Electronic System**
Publisher: ACM Request Permissions

Full text available: Pdf (1.11 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 96, Downlo

Modern mobile devices need to be extremely energy efficient. Due to th
energy-aware design exploration has become increasingly important. Cu
support energy estimation, or require ...

Keywords: Energy, VLIW, architecture exploration, area, compiler-arch
systems, loop transformations, power estimation, power-performance tr

14 Cultural applications for mobile devices: Issues and requirements for
platforms

Daphne Economou, Damianos Gavalas, Michael Kenteris, George E. Tsekot
July 2008   **SIGMOBILE Mobile Computing and Communications Rev**
Publisher: ACM
Full text available: Pdf (1.10 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 41,   Downloads (12 Months): 345,   Downl

This paper explores requirements that authoring tools and development development of cultural applications tailored for deployment on Persona phones. To effectively determine such ...

15 Model-based service discovery for future generation mobile systems
Kun Yang, Chris Todd, Shumao Ou
July 2006   **IWCMC '06:** Proceedings of the 2006 international conference mobile computing
Publisher: ACM Request Permissions
Full text available: Pdf (333.33 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 53,   Downloa

The practical success of the future generation mobile systems such as 4 providing adaptive and cost-effective services. Service discovery is an e Based on the investigation ...

Keywords: model-driven architecture, service discovery, system desigi

16 Models for universal usability
Fabio Paternò
November 2003 **IHM 2003:** Proceedings of the 15th French-speaking confe
on 15eme Conference Francophone sur l'Interaction Homm
Publisher: ACM
Full text available: Pdf (653.15 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 56,   Downloa

This paper discusses how model-based approaches can support designe of challenges raised by universal usability, such as the possibility of obt; any device and usability evaluation ...

Keywords: abstract user interfaces, authoring environments, heteroge interfaces, remote evaluation, task Models

17 System support for pervasive applications
Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Gaetano Borriello, Steven Gribble, David Wetherall
November 2004 **Transactions on Computer Systems (TOCS)** , Volume 22 I
Publisher: ACM Request Permissions
Full text available: Pdf (1.82 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 57,   Downloads (12 Months): 356,   Downl

Pervasive computing provides an attractive vision for the future of comp

available everywhere. Mobile and stationary devices will dynamically co
people in accomplishing their tasks. ...

Keywords: Asynchronous events, checkpointing, discovery, logic/oper
pervasive computing, structured I/O, tuples, ubiquitous computing

18 Simulation of large scale networks III: ROSS.Net: optimistic parallel
internet models
David Bauer, Garrett Yaun, Christopher D. Carothers, Murat Yuksel, Shivk
December 2003 **WSC '03:** Proceedings of the 35th conference on Winter si
Publisher: Winter Simulation Conference
Full text available: Pdf (1.34 MB)   Additional Information: full citation, abstr

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 27, Downloa

ROSS.Net brings together the four major areas of networking research:
measurement and protocol design. ROSS.Net is a tool for computing lar
components such as a discrete-event simulation ...

19 A distributed embedded web based automated testbed for wireless
Lars Möllendorf, David Rahusen, Daniel Schauenberg, Axel Sikora
June 2009   **IWCMC '09:** Proceedings of the 2009 International Conferenc
Mobile Computing: Connecting the World Wirelessly
Publisher: ACM Request Permissions
Full text available: Pdf (2.79 MB)   Additional Information: full citation, abstr

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 12, Downlo

Tests of distributed wireless networks pose various challenges with reg
problems. In this contribution a novel testbed architecture is presented,
distributed wireless networks. ...

Keywords: AJAX, JavaScript library, embedded web server, energy-au
wireless sensor network

20 Middleware for distributed services and mobile applications
Aitor Uribarren, Jorge Parra, J. P. Uribe, Maider Zamalloa, Kepa Makibar
May 2006   **InterSense '06:** Proceedings of the first international confere
sensor networks
Publisher: ACM Request Permissions
Full text available: Pdf (120.36 KB)   Additional Information: full citation, abstr

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 44, Downlo

In this paper, we describe the middleware that has evolved from our at
user-aware services in ubiquitous environments. User mobility can caus
user-preferred applications are not installed ...

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